# AMERICAN BEE JOURNAL

Vol. 123

## **INDEX**

1983

ABF Honey Marketing Plan Resolutions

ABJ—25, 50, 75, 100 years ago—6, 74, 158, 246, 334, 420, 490, 554, 618, 686, 758, 830 AHPA Washington Report, The—422, 671,

ATI Beekeeping . . A Unique Technology—218 About the Museum—497

About the Museum—497
Activity and Abundance of Pollinators of
Plum at Ludhiana (Punjab)—595
Aerial Application of Dibrom 14: Honeybee Mortality in Relation to Hive
Placement and Protection by Misting
with Water—121

After First Lessons-What Next? Part I -463

After First Lesson-What Next? Part II -516

After First Lessons-What Next? Conclusion-567

'Africanized' Bees Have Made Venezuelan Life Less Sweet—137
Africanized Bees in Argentina Under

Study-165 Alberta Association Holds 49th Annual

Convention-83 Alberta Beekeeper Receives Achievement

Award-83 Alberta Nucleus Hive, The—207 Angie: The Wonder Dog of Beekeeping

-274

Anise Hyssop Not a Panacea—339 Apicultural Research—47, 119, 207, 293, 379, 467, 526, 593, 663, 701, 849 Apple Pollination—272

Archaeological Evidence of Beekeeping in Ancient Greece—315
Are Frame Spacers Worth the Bother?

\_251 Argentine Africanized Bee Study Under-

way-430 Artificial Insemination or Natural Mating
-Which is Better?-291

Assessing the Role of Honey Bees In a Field of Asiatic Cotton—593

Awards-

Alberta Beekeeper Receives

Achievement Award—83
Apiary Inspector of America Apiculture
Research Award—Dr. Basil Furgala— 343

Berthold Recipient of the Delaware Valley College Distinguished Faculty Member Award—562

EAS Student Apiculture Award—83 Hambleton, James I. Memorial Award

Maryland Beekeeper of the Year-Ann

Harman—432 Michigan Beekeeper of the Year— Edward Garve—345

Michigan Be Buell-264 Beekeeper of the Year-Ray

Bueil—264
Oklahoms's Beekeeper of the Year—
Albert Lincoln—135
Outstanding Beekeeper in Central Virginia—Paul Camp—19

Steve Stauffer-Science Fair Winner-15

Baits to Improve Bait Hive Attractive-ness to Honey Bees—193

Barrel Hive, A-714

Bee Behavior-113, 188, 269, 357, 435, 520,

Miners Join British Columbia Gold Hunt-635

Bee Beard Record Broken—54
Bee Wonders Will Never Cease—338
Bee Research Association Offers Leaflets

Beekeepers-

-58

Beekeepers Buzzing with Ideas to Take Sting Out of PIK—638 Beekeeper Discovers Recycled Pop Bottles Keep Bears at Bay-404 Beekeeper Initiative in Solving the

Pesticide Problem—368
Beekeepers Set Sights on Forming an Industry Commission—343
Beekeeper Triumphs Over Township—

Brother Adam and his Buckfast Bees-

Beekeeping-Beekeeping as a Business—854 Beekeeping in the Republic of South Africa—710

Keeping Bees in Northeastern Mexico-Will Beekeeping in the United States Become a "Part-Time" Industry—220

Become a "Part Beekeeping Historyin American Beekeeping 1850-

1981-372 Beekeeping Industry Has No Problems Only Opportunities—767 Beekeeping Truisms—458, 504, 566, 648, 730, 782, 874

Bees and Arthritis—An Interview with Dr. L. A. Doyle, D. O.—352 Brother Adam and His Buckfast Bee—85 Burr Combs—59, 117, 228, 316, 530, 878

C

California Bee Breeder President Elected -343

California Beekeepers Promote Honey-17 California Beekeeping-601 California-San Francisco Honey Bee

Program—18 Canadian Honey Council Initiates Generic

Honey Promotion Campaign—742 Catch-as-Catch-Can—565 Cheap and Easy-to-Refill Pail Feeder, A -280

Chemical Detection of Penncap-M rmical Detection of Penncap-M Cap-sule in Pollen, and Methyl Parathion Residues in Honey Bees (Apis mel-lifera L.) and Bee Products From Colonies near Arizona Cotton Fields Treated with Penncap-M-1980-526

Chinese Professor Answers Beekeeping Questions—305

China-Apiculture Tour—94 City Bee Population up 9,000 as Florida Football Bet Arrives—509 Classroom, The—56, 132, 222, 250, 397, 571,

Coffee Honey—794
Collecting Honey Pots . . and other
Bee Paraphernalia—Part I—707
Collecting Honey Pots . . and other
Bee Paraphernalia—Part II—786
Collecting Honey Rose Collecting Honey Pots . . . and Other Bee Paraphernalia — Part III—875

Commercial Application of Gamma Radiation in the Control of American Foul-brood, The—652

Comparison of Two Carniolan Bee Lines In the Netherlands-639

Computer Gets Role in Fruit Pollination

Congressional Act to Help Promote

Honey, A-689 Cover Picture-

January—Honeybee Worker in Flight February—Brother Adam and His Buckfast Bees

March-Dr. Michael Burgett Tests a Hand Dripped Beeswax Candle April—Honey bee Pollinating an Apple

May—Drawing of a Swarm
June—A-Frame Hives
July—Lloyd Stanley Demonstrates his
Homemade Combination Stool and Tool Box

August—Robber Bees September—Olden Days October—Kermit Forney November—The Basket Story December—Rocky Mountain Apiary

Create a Demand For Your Honey-10

Development of Instrumental Insemina-Development of Instrumental Insemina-tion—108
Diehnelt's "A Honey of a Museum"—496
Directory of Supplies of Beekeeping
Equipment, Worldwide—133
Discovery of a New Use for Honey, The

-586 Diseases-

Disappearing Disease II—50
Diversify Production and Sales with
Round Section Comb Honey—443

Dried Honey-656 Drone Rearing for Instrumental Insemination-284

EAS Annual Convention—536 EAS Student Apiculture Award—83 Economic Considerations in Sunflower Pollination and Insecticide Applica-tion for Control of the Sunflower Moth—211

Economics of the Beeswax Market. The -514

Effects of Osmotic Pressure on Insemina-tion Success Using Incubated Honey Bee Semen—849

Effects of Pollination by Insects on Seed Oil Percentage of Oilseed Sunflower -663

Effects of Various Entrances and Hive Direction on Outdoor Wintering of Honey Bee Colonies—47 Efficacy of Weed Control with Glypho-sate (Roundup) in an Out Aplary—

467 Estimated Honey Bee Pollination Busi-

ness in Selected States—200

Eucalyptus torquata, The Coral Flowered
Gum—An attractive Plant for Honey

Bees in Israel—576 Exploring the Italian Beekeeping Indus-try—588

Family, The—309, 405, 469, 507, 559, 668, 733, 762, 881 Floods Destroy 8,000 Hives in California

-349 First Laramie, and now Madison—Another Bee Lab to be Closed—317

Geological History and Evolution of the Honey Bee—580

# AMERICAN BEE JOURNAL

Vol. 123

## **INDEX**

1983

ABF Honey Marketing Plan Resolutions

ABJ—25, 50, 75, 100 years ago—6, 74, 158, 246, 334, 420, 490, 554, 618, 686, 758, 830 AHPA Washington Report, The—422, 671,

ATI Beekeeping . . A Unique Technology—218 About the Museum—497

About the Museum—497
Activity and Abundance of Pollinators of
Plum at Ludhiana (Punjab)—595
Aerial Application of Dibrom 14: Honeybee Mortality in Relation to Hive
Placement and Protection by Misting
with Water—121

After First Lessons-What Next? Part I -463

After First Lesson-What Next? Part II -516

After First Lessons-What Next? Conclusion-567

'Africanized' Bees Have Made Venezuelan Life Less Sweet—137
Africanized Bees in Argentina Under

Study-165 Alberta Association Holds 49th Annual

Convention-83 Alberta Beekeeper Receives Achievement

Award-83 Alberta Nucleus Hive, The—207 Angie: The Wonder Dog of Beekeeping

-274

Anise Hyssop Not a Panacea—339 Apicultural Research—47, 119, 207, 293, 379, 467, 526, 593, 663, 701, 849 Apple Pollination—272

Archaeological Evidence of Beekeeping in Ancient Greece—315
Are Frame Spacers Worth the Bother?

\_251 Argentine Africanized Bee Study Under-

way-430 Artificial Insemination or Natural Mating
-Which is Better?-291

Assessing the Role of Honey Bees In a Field of Asiatic Cotton—593

Awards-

Alberta Beekeeper Receives

Achievement Award—83
Apiary Inspector of America Apiculture
Research Award—Dr. Basil Furgala— 343

Berthold Recipient of the Delaware Valley College Distinguished Faculty Member Award—562

EAS Student Apiculture Award—83 Hambleton, James I. Memorial Award

Maryland Beekeeper of the Year-Ann

Harman—432 Michigan Beekeeper of the Year— Edward Garve—345

Michigan Be Buell-264 Beekeeper of the Year-Ray

Bueil—264
Oklahoms's Beekeeper of the Year—
Albert Lincoln—135
Outstanding Beekeeper in Central Virginia—Paul Camp—19

Steve Stauffer-Science Fair Winner-15

Baits to Improve Bait Hive Attractive-ness to Honey Bees—193

Barrel Hive, A-714

Bee Behavior-113, 188, 269, 357, 435, 520,

Miners Join British Columbia Gold Hunt-635

Bee Beard Record Broken—54
Bee Wonders Will Never Cease—338
Bee Research Association Offers Leaflets

Beekeepers-

-58

Beekeepers Buzzing with Ideas to Take Sting Out of PIK—638 Beekeeper Discovers Recycled Pop Bottles Keep Bears at Bay-404 Beekeeper Initiative in Solving the

Pesticide Problem—368
Beekeepers Set Sights on Forming an Industry Commission—343
Beekeeper Triumphs Over Township—

Brother Adam and his Buckfast Bees-

Beekeeping-Beekeeping as a Business—854 Beekeeping in the Republic of South Africa—710

Keeping Bees in Northeastern Mexico-Will Beekeeping in the United States Become a "Part-Time" Industry—220

Become a "Part Beekeeping Historyin American Beekeeping 1850-

1981-372 Beekeeping Industry Has No Problems Only Opportunities—767 Beekeeping Truisms—458, 504, 566, 648, 730, 782, 874

Bees and Arthritis—An Interview with Dr. L. A. Doyle, D. O.—352 Brother Adam and His Buckfast Bee—85 Burr Combs—59, 117, 228, 316, 530, 878

C

California Bee Breeder President Elected -343

California Beekeepers Promote Honey-17 California Beekeeping-601 California-San Francisco Honey Bee

Program—18 Canadian Honey Council Initiates Generic

Honey Promotion Campaign—742 Catch-as-Catch-Can—565 Cheap and Easy-to-Refill Pail Feeder, A -280

Chemical Detection of Penncap-M rmical Detection of Penncap-M Cap-sule in Pollen, and Methyl Parathion Residues in Honey Bees (Apis mel-lifera L.) and Bee Products From Colonies near Arizona Cotton Fields Treated with Penncap-M-1980-526

Chinese Professor Answers Beekeeping Questions—305

China-Apiculture Tour—94 City Bee Population up 9,000 as Florida Football Bet Arrives—509 Classroom, The—56, 132, 222, 250, 397, 571,

Coffee Honey—794
Collecting Honey Pots . . and other
Bee Paraphernalia—Part I—707
Collecting Honey Pots . . and other
Bee Paraphernalia—Part II—786
Collecting Honey Rose Collecting Honey Pots . . . and Other Bee Paraphernalia — Part III—875

Commercial Application of Gamma Radiation in the Control of American Foul-brood, The—652

Comparison of Two Carniolan Bee Lines In the Netherlands-639

Computer Gets Role in Fruit Pollination

Congressional Act to Help Promote

Honey, A-689 Cover Picture-

January—Honeybee Worker in Flight February—Brother Adam and His Buckfast Bees

March-Dr. Michael Burgett Tests a Hand Dripped Beeswax Candle April—Honey bee Pollinating an Apple

May—Drawing of a Swarm
June—A-Frame Hives
July—Lloyd Stanley Demonstrates his
Homemade Combination Stool and Tool Box

August—Robber Bees September—Olden Days October—Kermit Forney November—The Basket Story December—Rocky Mountain Apiary

Create a Demand For Your Honey-10

Development of Instrumental Insemina-Development of Instrumental Insemina-tion—108
Diehnelt's "A Honey of a Museum"—496
Directory of Supplies of Beekeeping
Equipment, Worldwide—133
Discovery of a New Use for Honey, The

-586 Diseases-

Disappearing Disease II—50
Diversify Production and Sales with
Round Section Comb Honey—443

Dried Honey-656 Drone Rearing for Instrumental Insemination-284

EAS Annual Convention—536 EAS Student Apiculture Award—83 Economic Considerations in Sunflower Pollination and Insecticide Applica-tion for Control of the Sunflower Moth—211

Economics of the Beeswax Market. The -514

Effects of Osmotic Pressure on Insemina-tion Success Using Incubated Honey Bee Semen—849

Effects of Pollination by Insects on Seed Oil Percentage of Oilseed Sunflower -663

Effects of Various Entrances and Hive Direction on Outdoor Wintering of Honey Bee Colonies—47 Efficacy of Weed Control with Glypho-sate (Roundup) in an Out Aplary—

467 Estimated Honey Bee Pollination Busi-

ness in Selected States—200

Eucalyptus torquata, The Coral Flowered
Gum—An attractive Plant for Honey

Bees in Israel—576 Exploring the Italian Beekeeping Indus-try—588

Family, The—309, 405, 469, 507, 559, 668, 733, 762, 881 Floods Destroy 8,000 Hives in California

-349 First Laramie, and now Madison—Another Bee Lab to be Closed—317

Geological History and Evolution of the Honey Bee—580

Good News for Beekeepers: No bee Mites in U.S.-165

Hand-Dipped Beeswax Candles—173 Halloween Bee Costume—733 Hambleton, James I. Memorial Award— 83
Helpful Hints—55
High Output Pollen Trap, A.—869
Hive Products for Therapeutic Use—39
Hobby Beekeeper Visits China, A.—301
Home Spun Honey—How to Make Your
Own Spun Honey—253
Honey Bees Economize on Cells by Pack-

ing Pollen-795

ing Pollen—795

Honey Bee Surgeons Think "Compass" Is
Iron in Cells—13

Honey Bees and Pesticides Part II—724
Honey Bees and Pesticides Part III—897
Honey Bee Pesticides Part III—860
Honey Bees Put Sting in Pollution
Research—341
Honey Bee-Sweet Corn Relationship, The

-293
Honey Import Problem and Honey Loan
Program—765
Honey of a Cookbook, A—95
Honey Market News Available—77
Honey Packer Convicted—560
Honey Producers Dispel Pollination and Overproduction Myths—608A
Honey Producers to Meet—763
Honey Production Costs Soar in Argen-

tina-855 Honey Queensoney queens—
American—Melissa Hart—262, 340
California—Annette Freitas—171
Florida—Carol Marie Tschida—92
Indiana—Maryann Ernst—62
Michigan—Rhonda Struble—345 Michigan—Rhonda Struble—345 Minnesota—Jennifer A. Riedel—344 Nebraska—Robin Berner—264 New Jersey—Susan Post—265 North Dakota—Rebecca Vollner—136 Ohio—Pamela Kay Dugmore—171 Oregon—Dana Hedum—471 South Plains Texas—Deon Zumwalt—

563 563
Texas—Cray Briggs—62
Trinity Valley—Stacy Brian—344
How One Club Promoted Honey—93
How to Make a Handy Bee Cart—654
Hygiene in Honey Bee Colonies—511

Ideal Beekeepers' Meeting, The—625 Immunotheraphy—101, 401 Impact of Pest Management on Bees and Pollination, The—759 Impact on Honey Bees of ULV Malathion Application to Control Mosquitoes in Maryland—26 Indiana Bee Kill—17 Industry Leader Conference Favors

Honey Subsidy-552A Insecticides-Sevin XLR Carbaryl Insecticide Receives "Reduced Bee Hazard" Receives "Claim-430

Instrumental Insemination: Current Developments and Its Application
Today—182

Instrumental Insemination: The Possibil-ity of Semen Storage—389 Israel Issues Bee Stamp—166

An Excellent, Little Known Pol-Jojobalen Plant for Bees-379

Keeping Bees As a Successful Sideline-Keeping Bees in Northeastern Mexico-Kentucky Bee Spill Handled Well—58
"Killer Bees" May Sting U.S. Food
Budget—15
Korean Pollen Trap: How Good Is It,

The—97 Kuehn's Ingenious Hive Carrier—690

Laramie Lab Saved; Honey Export Subsidy Considered-333

Letters are Beautiful-500 Letters to the Editor—5, 73, 157, 333, 419, 489, 553, 617, 685, 757 Levin Appointed Tucson Director—260

M

Madison Bee Lab Saved-560 Madison Lab Trains Nicaraguan Beekeepers-342 Making Thefts a Felony-54 Management-Management for the Intermediate Beekooper\_91

Many May Outgrow Insect Allergies-834 Methods for Double Queening the Con-solidated Brood Nest Hive—Part I—

Methods for Double Queening the Con-solidated Brood Nest Hive—Part II—

450 Micro Fiche Index to "Apicultural Abstracts," 1973-1981—142
Miller's Honey—Another First, Pure Design of the Process of th

hydrated Honey Now Packaged for

nydrated Honey Now Packaged for Consumers—341 Millers Honey Introduces Sealed Tamper Resistant Jars—262 Mosquito Spray Problems in Florida—73 Modification for the Mini-Melter, A—650 Moving Honey Bee Colonies—403 My Honey Strainer-404

Meetings-Alabama-537 American Beekeeping Federation—882 American Honey Producers Convention -883 California—764 Colorado—434, 764 Connecticut—764

Delaware-93 Eastern Mountain—470
Eastern Montana Beekeepers Association

—171, 344 Eastern Pennsylvania Beekeepers—470 Florida—736 Georgia—627, 736 Illinois—434 Indiana—171, 344 Kansas—170 Kentucky—344 Maryland—537 Michigan-434 Minnesota—170, 537 New Hampshire—92 New Mexico-764 Ohio-344

Oklahoma—315 Oregon—738 South Carolina-543 Tennessee—738 Texas—627 Vermont-539 Virginia-537

WAS Convention—536, 313 Wisconsin—538

National Bee Industry Survey: A formation Gathering Tool—262 Natural Landscaping—A Boon to Beckeeping—177
New Hope for People Who are Allergic to Bee Stings—578
New Record of Pseudohypocera kertessi,

A Pest of Honey Bees in Mexico, A -119

New Jersey Beekeepers Honored for First Rate Honey—263 North Carolina State Beekeepers Asso-ciation's 1983 Beekeeping Calendar—16

**Obituaries** bituaries
Bergling, Ruben Adolf—
Brodock, Frank O.—779
Gunter, Irvan—143
Mack, Otto A.—143
Maher, Joe—263
Reinert, Ervin, V.—779
Rossman, Joseph F.—543 Opportunity to Increase Our Nectar Sources, An-81 Oregon Honey Queen Quilt-176 Our Industry Crisis Today-846 Our Washington Project-1983-365

Pesticides
Deadly Penncap-M Poisons Illinois
Bees—535
Honey Bees and Pesticides—724 Millions of Bees Dead; Pesticides Suspected-534 Pesticide Loss of Honey Bees in Virginia-858
Pesticide Risk to Beekeeping Industry
Reduced-642 Pollen

Jojoba—An Excellent, Little Known
Pollen Plant for Bees—379
Pollen Allergy Case Dropped—560
Pollen For Human Consumption—55
U.S. Beekseper Sells Record Amount of Pollen—276 What's New in Pollen Research—522

Pollination—
Apple Pollination—272

Apple Pollmation—2/2 Economic Considerations in Sunflower Pollination and Insecticide Applica-tion for Control of the Sunflower Moth—2/21

Estimated Honey Bee Pollination Busi-Estimated Honey Bee Pollination Business in Selected States—200

Powers Apiaries Cites Packer Opposition to Honey Labeling Regulations—425

Producing Blue-Ribbon Wax—438

Program Key to WAS Conference Success—128

Propolis: The Most Mysterious Hive Element—Part I—573

Fropolis: The Most Mysterious Hive Element—Conclusion—631

Publications-

New Publication From IBRA on Chalk Brood-96 Texts of Early Beekeeping Books-96

Queen Rearing-5 Queen Rearing in Hawaii-54

Radioactive Bees Examined-883 Raising John Doe's Bee I-Q-788 Recent Apicultural Literature-123, 460,

Reflector and Insulation Make a Solar Melter Work, A.—778

Recipes— Angel Biscuits—507 Apple Mint Jelly-668 Beauty-Beautiful Hair-469

Cleopatra's Facial Balm-881 Hair Treatment-881 Honeybee Pollen Astringent—469 Honeybee Pollen Facial Mask—469 Bread and Butter Pickles-668

Canning— Guide For Canning Fruits—669 Cookies

Chocolate Chip Cookies—733 Christmas Chocolate Honey Rings—881 Christmas Fruit Nuggets—881 Christmas Tree Cookies—881 Honey Bittersweets-405 Creamed Apricot Jam-507

Drinksrinks— Carrot-Pineapple Cocktail—4 Healthy Blender Drink—469 Honey Egg Nog—881 Honey Health Punch—469 Honey Punch—733 Strawberry—Honey Float—469 Freezer Cabbage Salad—668 Fruit Candy—405 Golden Carrot Pie—559 Green Tomato Piccalilli—668

Green Tomato Piccalilli—668
Guide for Freezing Fruit—669
Heavenly Strawberry Preserves—668
Honey Acorn Squash—762
Honey Butter—507
Honey Cinnamon Sauce—762
Honey Fruit Strips—405
Honey Marshmallows—405
Honey Apples and Cranberries—763
Indian Tapioca Pudding—762

Meat-Baked Lamb Western Style—309 Barbecued Spareribs—559 Glazed Stuffed Duckling—762

Grilled Steak with Fluffy Horseradish Sauce—559 Honey Stuffed Ham—309 Pineapple Honey Glaze—762 Pumpkin Pie—762 Quick Cough Syrup—881 Rhubarb and Raspberry Pie—309 Rhubarb and Raspberry Pie—309 Strawberry Honey Ice Cream—507 Super Delicious Caramels—405 Sweetpotatoes in Honey—572 Recommended Nectar Plants for the Set-aside Program—263

Save the Bees Foundation Forms-Science Fair Winner Is Now Active at USDA's Bee Lab-15 Sevin XLR Carbaryl Insecticide Receives "Reduced Bee Hazard" Claim—430 Short Course nort course
California—260, 345
Connecticut—92, 168
Delaware Valley College—168, 402
Georgia—399
Indiana—92
Marribard 166 Maryland—169 Massachusetts—170, 168 New York—91, 168, 260, 265, 399 Ohio—167, 260 Onio-167, 280 Ontario-Fanshawe College—167 Pennsylvania—92, 264 Poughkeepsie—91 South Florida—265 West Virginia—169

Sioux Honey Speaks Out on Honey Marketing—5 Small Pollen Dryer for the Hobbyist

Beekeeper, A – 446
Small Beekeepers Can Gift Pack Their
Honey, Too—456
Some Cost Comparisons of Bees in

Some Cost Comparisons of Bees in Minnesota—784 Stamp-Pad Advertising for the Small Honey Business—579 Starline Queens From Eight Commercial Sources Evaluated in Minnesota—701 Sugars of Honey: Part II—Their Origins -21

Surface Structure of Spores of Nosema apis Zander as Seen in the Scanning Electron Microscope—Si0
Survey of Arthoropod Contamination of Front-Mounted Pollen Traps, A—S72
Survey of the Nation's Bee Industry—165
Swedish Buckfast Bee Symposium Features Brother Adams—721
Switching from Comb to Extracted Honey Production—310

Technical Cooperation Activities: Bee-Technical Cooperation Activities: Bee-keeping a Directory and Guide-96 Timely Chats-32, 105, 202, 278, 361, 427, 501, 598, 660, 734, 733, 341 Toxicity of Pesticides to Honey Bees, The-646 Trains Bees to Be Stars in Movies-192 Trends in American Beekeeping 1850-1981

-372

Trends in Canadian Beekeeping-837 Trouble Enough to Go Around-116

U.C. Bees Develops Customized Media Lis For Insecticide Education—470 U.S. Beekeeper Sells Record Amount of

Pollen-276 U.S. Monitoring Spread of Honey Bee Mites-13

Upset About Laramie Lab Closing-245 Use of Asphalt as a Propolis Substitute -732

Use of Modern Technology Sweetens Soviet Honey Output-792

Viruses of Honey Bees-263 Visit to a Russian Beekeeping Exhibit —196

Western Apicultural Society—90, 313 What Every County Needs—216

What's Buzzing—13, 83, 259, 341, 430 What's New in Pollen Research—522 Where Do We Go From Here?—257 Whiskey Bottle Full of Honey, A—308

Wintering—
More on Wintering in Minnesota in a
Flight-Through-the-Wall Building Overwintering—191
Wintering Colonies Successfully—693

Workshop

Sacramento Area Beekeepers Associa-tion Workshop—18 World Honey Market—8, 76, 160, 248, 336, 424, 492, 556, 620, 688, 760, 832

World List of Beekeeping Journals, Annual Reports, and Other Serials Cur-rently Received by IBRA-763

Yellow Rain Causes Red Faces—560 Yesteryear Laws Today—25 You Can Make Your Own Honey Dryer

### CONTRIBUTORS

Ambrose, John T.—368, 625 Avitable, Alphonse—795

B Baker-Delfinado, M.—812 Baldwin, Karen—101 Bee-Wolf—565, 793 Buchmann, Stephen L.—379

Carlile, Bill-32, 105, 202, 278, 361, 427, 501, 598, 660, 734, 773, 841 Cobey, Susan—108, 182, 284, 389 Conrad, Jim—36 Crane, Eva-96 Culliney, Thomas W.-580

Dadant, Marta-668, 733, 762, 881 Drescher, Wilhelm-96

Eiskowitch, D.—576 Ellis, Marion—191 Erickson, Barbara J.—724, 797, 860 Erickson, Eric. H.—293, 724, 797, 860

Fischer, Ronald—340, 497 Flottum, Peter K.—293, 860 Forrest, Steve—422, 671, 835 Frosceno, Roxanne—795 Furgala, Basil—663, 701

Gibson, Glenn—365, 500 Gouldthorp, Douglas W.—301, 456 Graham, Joe—60, 117, 229, 530, 878

Hanny, Barbara J.—293 Harman, Ann W.—39 Hayes, G. W. Jr.—714 Headings, Mark E.—646 Herbert, E. W. Jr.—26 Hogg, John Alexander—383, 450 Hornitzky, M. A. Z.—652 Hooker, Tom—216, 310

Iannuzzi, J.-97, 251, 438, 573, 631 Iparraguirre, Felipe-855

T Jackson, Don-696, 784

Kent, Robert B.—123, 460, 806 Killion, Eugene—402 Kime, Robert-586

Knol, Ann Schottman—534 Kolb, Herman—196 Kotova, Galina—792 Krause, Larry—211 Krochmal, Arnold—794 Kulincevic, Jovan M.—50

Lazenby, Roland—509 Leonard, Francis—872 Lesher, Charles—193 Lilley, Wayne—635 Lindgren, Gary—795 Liu, T. D.—810 Lord, William G—339 Loring, Murray-25, 781

M MacDonaid, Sue—578
Mahmood, Ahmed N.—663
Mann, G. S.—595
Marocchi, John L.—858
Mayer, Daniel F.—272
Mayor, Adrienne—315
Maxwell, Carl—308
McInnes, Jon—588
Miller, Vernon—535
Miner, Ernest—446
Morse, Roger—193, 372, 514

Nielsen, Robert L.—458, 504, 566, 782, 874 Nowogrodzki, Richard—372 Nuss, Ken—443 Nuss, Sherry—443 Nyein, Maung, Maung—732

Oertel, Everett—200 Olstrom, Joann Manes—579, 656 Osterlund, Erik—85, 291, 721

Patterson, Marion J.-177, 788 Prince, Roger C.-21

Reichelderfer Charles-872 Reves, Y.—576 Reyes, O., FCO—119 Rinderer, Thomas E. Rindfleisch, Jim—121 Robinson, Frank—116, 257 Rothenbuhler, Walter C.—50

S
Sauriol, Charles—338
Scheetz, Robin—309, 405, 469, 507, 559
Schmidt, Justin O.—379
Shimanuki, H.—26, 872
Shiner, Don—404
Singh, Gurdip—595
Soiffer, Bill—349
Stanley, Glen L.—693
Steed, Jim—707, 786, 875
Stevens, Gerald—220
Stott, Kim—638
Styer, W. E.—812
Sugden, M. A.—701
Szabo, Tibor I.—47, 207

Taber, Steve—10, 113, 188, 269, 357, 435, 520, 601, 628, 710, 776, 846
Tanda, A. S.—593 Thurber, P. F.-29, 280, 440, 650, 690, 778, Tóth, György—522 Trump, Richard—463, 516, 567

Van Pul, Paul—639 Van Driesche, Diana— Visscher, Kirk—511

Weber, Jo Anne—767 Wells, Dr. R. C.—854 White, B.—652 Williams, Tom L.—849 Wilson, Lynn—654 Winston, Mark—837

